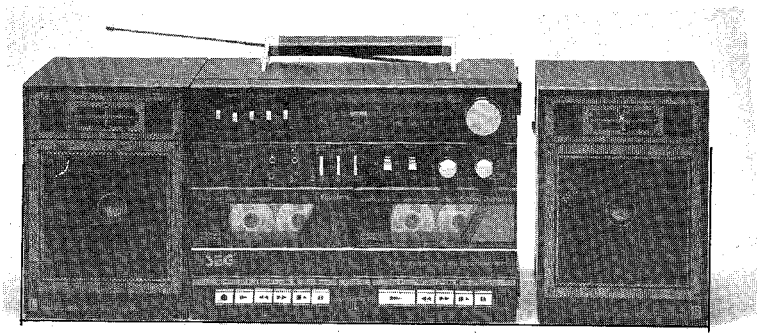
SEG®

MCD 350E

UKW/MW STEREO
DOPPELKASSETTEN MINI COMPO

FM/AM DOUBLE
CASSETTE STEREO COMPO

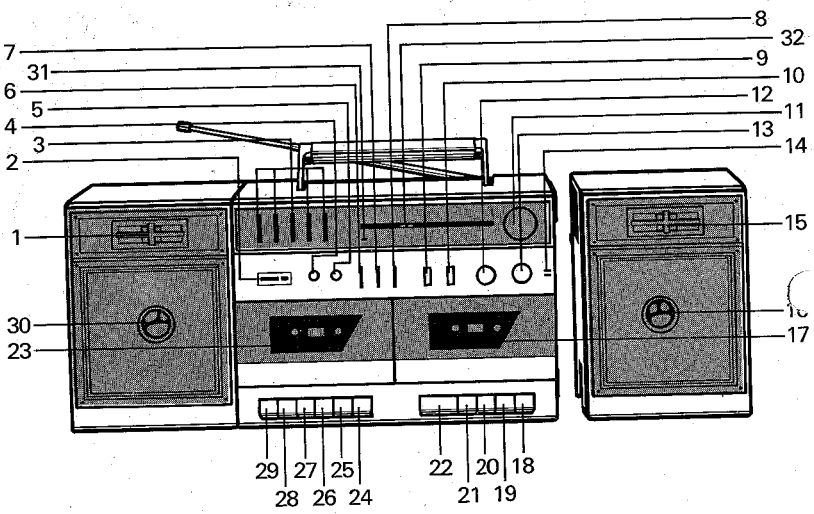


BEDIENUNGSANLEITUNG

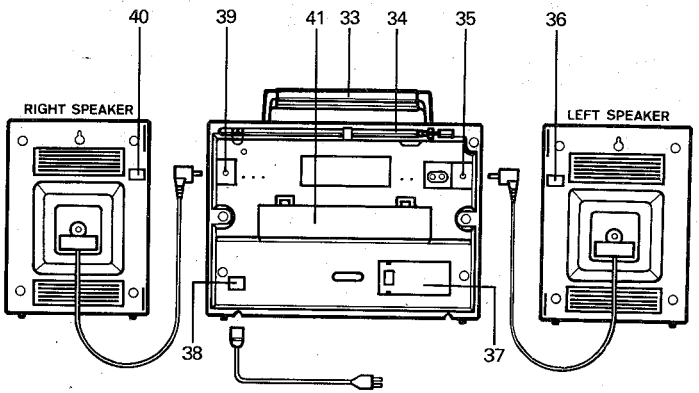
Instruction Manual

GERMAN

Bedienelemente



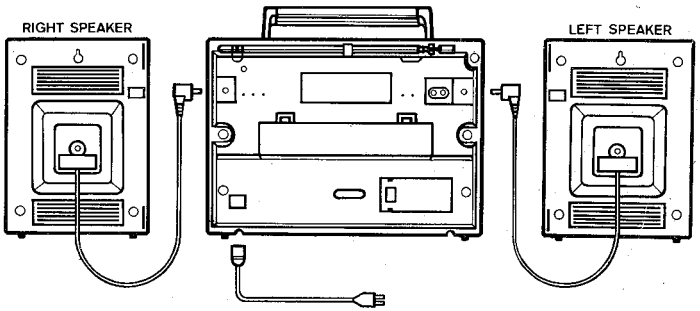
1. Hochtöner links
2. Zählwerk
3. Equalizer-Regler
4. Kopfhörerbuchse
5. Ext. Mikrophonbuchse
6. High-Speed-Dubbing-Taste
7. Dubbing-Taste
8. Beat-Schalter
9. Funktions-Schalter
10. Wellenbereichsschalter
11. Abstimmknopf
12. Balance-Regler
13. Lautstärke-Regler
14. Kondensatormikrophon
15. Hochtöner rechts
16. Lautsprecher rechts
17. Cassettenteil B
18. Pause-Taste
19. Stop-Eject-Taste
20. Schneller Vorlauf
21. Schneller Rücklauf
22. Wiedergabe-Taste
23. Cassettenteil A
24. Pause-Taste
25. Stop-Eject-Taste
26. Schneller Vorlauf
27. Schneller Rücklauf
28. Wiedergabe-Taste
29. Aufnahme-Taste
30. Lautsprecher links
31. UKW-Stereo-Anzeige
32. Skalenzeiger



33. Tragegriff
34. Teleskopantenne
35. Lautsprecher links
36. Sperrhebel links
37. Typenschild
38. Netzbuchse
39. Lautsprecherbuchse
40. Sperrhebel rechts
41. Batteriefach

Installation

Achtung: *Bevor Sie das Gerät einschalten, stellen Sie alle Verbindungen her (siehe Bild).*



)emontage der Lautsprecher

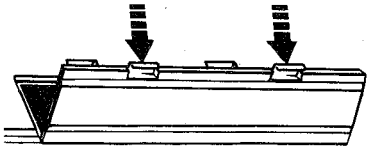
1. Ziehen Sie den Lautsprecherstecker.
2. Drücken Sie den Sperrhebel.
3. Schieben Sie nun die Lautsprecherbox nach oben.
4. Um die Box wieder anzubringen, ist in umgekehrter Reihenfolge zu verfahren.

Inbetriebnahme

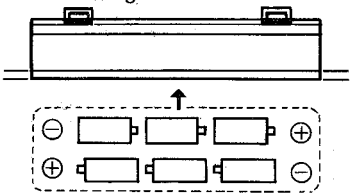
1. Verbinden Sie das beigelegte Netzkabel mit der Netz-buchse (Geräterückseite) und der Netzsteckdose. Beachten Sie, dass die Batterien jetzt automatisch abgeschaltet sind.

Batteriebetrieb

1. Öffnen Sie das Batteriefach wie im Bild gezeigt. Drücken Sie beide Laschen gleichzeitig nach unten und öffnen Sie den Batteriefachdeckel.



2. Legen Sie 6 × 1,5 Volt Batterien in das Batteriefach-wie im Bild gezeigt-ein. Bitte achten Sie auf die Polung der Batterien.



Achtung: *Bei Batteriebetrieb muss das Netzkabel aus der Netzbuchse gezogen werden.*

Radiobetrieb

1. Bringen Sie den Funktionsschalter (9) in Position "Radio"; die Power-Anzeige leuchtet.
2. Wählen Sie mit dem Wellenbereichsschalter (10) Ihr gewünschtes Rundfunkband.
3. Bei UKW-Empfang kann mit Schalter (8) auf Mono-oder Stereobetrieb geschaltet werden.
4. Ziehen Sie die Teleskopantenne (34) ganz aus und drehen Sie diese, bis Sie den optimalen UKW-Empfang erreicht haben.
5. Stellen Sie mit dem Senderwahlregler (11) Ihren Sender ein. Bei UKW-Stereo-Empfang leuchtet die UKW-Stereo-Anzeige. Bei Empfang von schwachen Stereosendern ist ein hoher Rauschanteil hörbar; schalten Sie deshalb auf Monobetrieb um.
6. Stellen Sie die Lautstärke mit dem Regler (13) nach Ihrem Hörempfinden e
7. Mit dem Balanceregler (12) kann das Lautstärkeverhältnis zwischen linker und rechter Box eingestellt werden.
8. Mit dem Equalizerregler (3) können Sie den Klang verändern.
9. An die Buchse (4) kann ein Stereokopfhörer angeschlossen werden; dabei werden die Lautsprecher automatisch abgeschaltet.

Cassettenbetrieb Tape A oder Tape B

1. Bringen Sie den Funktionsschalter (9) in Stellung "Tape A + B".
2. Drücken Sie die Pause-Taste (18,24).
3. Drücken Sie die Stop-Taste (19,25); das Cassettenfach öffnet sich.
4. Legen Sie eine Cassette in das Cassettenfach ein.
   Achten Sie darauf, dass beim Einlegen der Cassette die Bandseite unten ist.
5. Drücken Sie die Wiedergabetaste (22,28).
6. Drücken Sie erneut die Pause-Taste (18,24); die Wiedergabe beginnt.
7. Stellen Sie die Lautstärke, die Balance und den Equalizer-wie in Kapitel "Radiobetrieb" beschrieben-ein.
8. Mit Taste (20,26) kann das Band schnell vorgespult werden.
9. Mit Taste (21,27) kann das Band schnell zurückgespult werden.

Achtung: *Die Pause-Taste (18,24) ist nur für kurzzeitige Unterbrechungen geeignet. Schalten Sie das Cassettenlaufwerk für längere Unterbrechungen mit der Stop-Taste (19,25) ab.*

Continuous Funktion

Diese Zusatzfunktion ermöglicht Ihnen das automatische Abspielen von Cassettenteil B, nachdem das Cassettenteil A abgeschaltet hat.

Verfahren Sie wie folgt:

1. Bringen Sie den Funktionsschalter (9) in Stellung "Tape A + B".
2. Legen Sie in jedes Cassettenfach eine Cassette ein.
3. Drücken Sie die Play-Taste (28); die Wiedergabe beginnt.
4. Drücken Sie die Play-Taste (22).
5. Wie Sie erkennen können, läuft das Cassettenteil B nicht. Dieses beginnt erst abzuspielen, wenn das Cassettenteil A abgeschaltet hat.

Aufnahme mit eingebautem Mikrophon

Achtung: *Aufnahmen können nur mit Cassettenteil A durchgeführt werden.*

1. Bringen Sie den Dubbing-Schalter (7) in Position "Off".
2. Bringen Sie den Funktionsschalter (9) in Stellung "Tape A + B".
3. Legen Sie eine bespielbare Cassette in das Cassettenteil A ein.
4. Drücken Sie die Pause-Taste (24).
5. Drücken Sie die Aufnahme-und Wiedergabe-Taste (28,29) gemeinsam.
6. Drücken Sie die Pause-Taste erneut. Sprechen Sie mit normaler Stimme; die Aufnahme beginnt.

Aufnahme mit eingebautem Radio

1. Bringen Sie den Funktionsschalter (9) in Stellung "Radio".
2. Stellen Sie Ihren gewünschten Sender-wie in Kapitel "Radiobetrieb" beschrieben ein.

3. Legen Sie eine Cassette in das Cassettenteil A ein.
4. Drücken Sie die Pause-Taste (24).
5. Drücken Sie die Rec-Taste (29).
6. Drücken Sie die Pause-Taste erneut; die Aufnahme beginnt. Es sind keine weiteren Einstellungen nötig.
7. Der Beat-Schalter (8) dient zur Unterdrückung überlagerter Pfeiffgeräusche bei Aufnahme von MW-Sendern.

Aufnahme mit externem Mikrophon

1. Verbinden Sie Ihr externes Mikrophon mit der Mik-Buchse (5).
2. Verfahren Sie weiter wie in Kapitel "Aufnahme mit eingebautem Mikrophon" beschrieben.

Überspielen von Tape B auf Tape A mit normaler oder doppelter Geschwindigkeit (Dubbing)

Mit Ihrem Stereo-Radio-Recorder können Aufnahmen von Cassettenteil B auf Cassettenteil A mit doppelter Geschwindigkeit überspielt werden. Dies bedeutet, dass bei einer C 60-Cassette eine Seite in 15 Minuten überspielt werden kann.

Verfahren Sie wie folgt:

1. Versichern Sie sich, dass das externe Mikrophon nicht eingesteckt ist.
2. Bringen Sie den Funktionnschalter (9) in Stellung "Tape A + B".
3. Drücken Sie den Dubbingschalter (7).
4. Legen Sie die zu bespielende Cassette in das Cassettenfach A ein.
5. Legen Sie die zu überspielende Cassette in das Cassettenfach B ein.
6. Drücken Sie die Pause-Taste von Cassettenteil A und B.
7. Drücken Sie die Rec-Taste von Cassettenteil A.
8. Drücken Sie die Play-Taste von Cassettenteil B.
9. Drücken Sie die Pause-Taste erneut von Cassettenteil A und B.
10. Die Überspielung beginnt mit normaler Geschwindigkeit.
11. Drücken Sie die High-Speed-Dubbing-Taste (6); die Überspielung beginnt mit doppelter Geschwindigkeit.

Weitere Tips und Anmerkungen zur Handhabung Ihres Stereo-Radio-Recorders

1. Einen besseren MW-Empfang erreichen Sie durch Drehen des ganzen Gerätes.
2. Bringen Sie das Gerät nicht in die Nähe von eingeschalteten Fernsehgeräten; dies stört den Rundfunkempfang.
3. Bei Nichtbenutzung des Gerätes sollte der Netzstecker gezogen werden, da der Transformator ansonsten immer unter Spannung steht.
4. Wird das Gerät für längere Zeit nicht mit Batterien betrieben, dann entnehmen Sie diese aus dem Batteriefach.

5. Grosse Lautstärke und häufiges Benutzen des Cassettenteils verringert die Lebensdauer Ihrer Batterien.
6. Reinigen Sie Ihr Gerät nur mit einem feuchten Tuch. Benutzen Sie niemals Benzin oder etwas ähnliches.
7. Die Ton-und Löschköpfe sind von Zeit zu Zeit mit einem in Spiritus getauchten Wattestäbchen zu reinigen. Zu empfehlen sind auch Nassreinigungscassetten.

Kleine Fehlerfibel

Symptome	Ursachen
Cassettenfach lässt sich nicht schliessen	Cassette wurde mit Bandseite nach oben eingelegt
Play-Taste hält nicht	Cassette ist am Bandende; sie muss umgedreht werden
Record-Taste kann nicht gedrückt werden	Play-Taste ist bereits gedrückt; keine Cassette im Cassettenfach; eine nicht zu bespielende Cassette ist eingelegt worden
Cassette läuft nicht	Batterien sind falsch eingelegt; Batterien sind verbraucht; Netzkabel ist nicht richtig eingesteckt
Aufnahmen werden nicht gelöscht	Löschkopf ist verschmutzt

Technische Daten

Betriebsspannung	:	220V/50Hz 9V Gleichspannung
Leistungsaufnahme	:	10W
Ausgangsleistung	:	2x10W max
Bandgeschwindigkeit	:	4,8 cm/sec
Vor-Rücklaufzeit	:	170 sec bei C 60
Wow und Flutter	:	0,35% WRMS
Frequenzband	:	UKW 87,5–108 MHz MW 530–1605 kHz
Abmessungen (B × H × T)	:	59 × 21 × 15 cm
Gewicht	:	3,8 kg

Bescheinigung des Herstellers/Importeurs

Hiermit wird bescheinigt, daß der/die/das

Doppel Cassetten Recorder MCD 350E

(Gerät, Typ, Bexeichnung)

In Übereinstimmung mit den Bestimmungen der

DBP Vfg. G625 344V

(EG-Richtlinie bzw, VDE-Bestimmung)

funk-entstört ist.

Der Deutschen Bundespost wurde das Inverkehrbringen dieses Gerätes angezeigt und die Berechtigung zur Überprüfung der Serie auf Einhaltung der Bestimmungen eingeräumt.

ENGLISH

CAUTION

RISK OF ELECTRIC SHOCK DO NOT OPEN

CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK).
NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

WARNING: TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.

The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user of the presence of uninsulated "dangerous voltage" within the product's enclosure; that may be of sufficient magnitude to constitute a risk of electric shock to persons.

The exclamation point within an equilateral triangle is intended to alert the user of the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

SAFETY INSTRUCTIONS

1. READ INSTRUCTIONS—All the safety and operating instructions should be read before the appliance is operated.

2. RETAIN INSTRUCTIONS—The safety and operating instructions should be retained for future reference.

3. HEED WARNINGS—All warnings on the appliance and in the operating instructions should be adhered to.

4. FOLLOW INSTRUCTIONS—All operating and use instructions should be followed.

5. WATER AND MOISTURE—The appliance should not be used near water. For example, near a bathtub, washbowl, kitchen sink, laundry tub, in a wet basement, or near a swimming pool, etc.

6. CARTS AND STANDS—The appliance should be used only with a cart or stand that is recommended by the manufacturer.

7. WALL OR CEILING MOUNTING—The appliance should be mounted to a wall or ceiling only as recommended by the manufacturer.

8. VENTILATION—The appliance should be situated so that its location or position does not interfere with its proper ventilation. For example, the appliance should not be situated on a bed, sofa, rug, or similar surface that may block the ventilation openings, or, placed in a built-in installation, such as a bookcase or cabinet that may impede the flow of air through the ventilation openings.

9. POWER SOURCES—The appliance should be connected to a power supply only of the type described in the operating instructions or as marked on the appliance.

10. GROUNDING OR POLARIZATION—Precautions should be taken so that the gounding or polarization means of an appliance is not defeated.

11. POWER-CORD PROTECTION—Power-supply cords should be routed so that they are not likely to be walked on or pinched by

items placed upon or against them, paying particular attention to cords at plugs, convenience receptacles, and the point where they exit from the appliance.

12. CLEANING—The appliance should be cleaned only as recommended by the manufacturer.

13. POWER LINES—An outdoor antenna should be located away from power lines.

14. NONUSE PERIODS—The power cord of the appliance should be unplugged from the outlet when left unused for a long period of time.

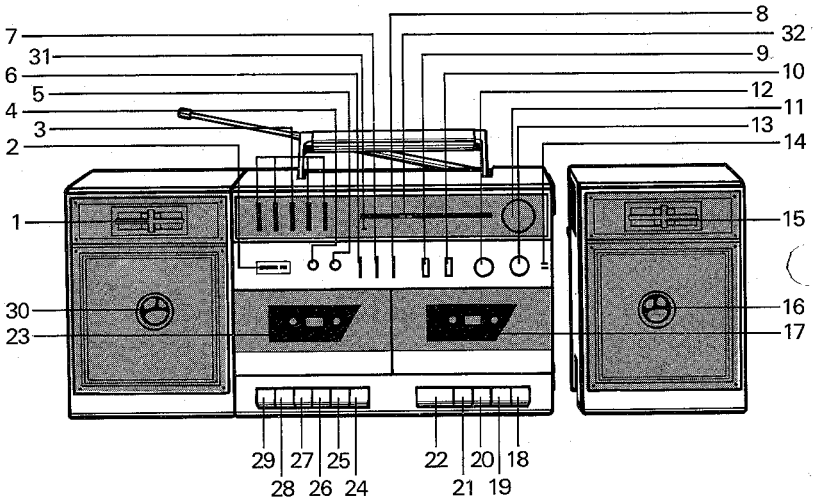
15. OBJECT AND LIQUID ENTRY—Care should be taken so that objects do not fall and liquids are not spilled into the enclosure through openings.

16. DAMAGE REQUIRING SERVICE—The appliance should be serviced by qualified service personnel when:
    A. The power-supply cord or the plug has been damaged; or
    B. Objects have fallen, or liquid has been spilled into the appliance; or
    C. The appliance has been exposed to rain; or
    D. The appliance does not appear to operate normally or exhibits a marked change in performance; or
    E. The appliance has been dropped, or the enclosure damaged.

17. HEAT—The appliance should be situated away from heat sources such as radiators, heat registers, stoves or other appliances (including amplifiers) that produce heat.

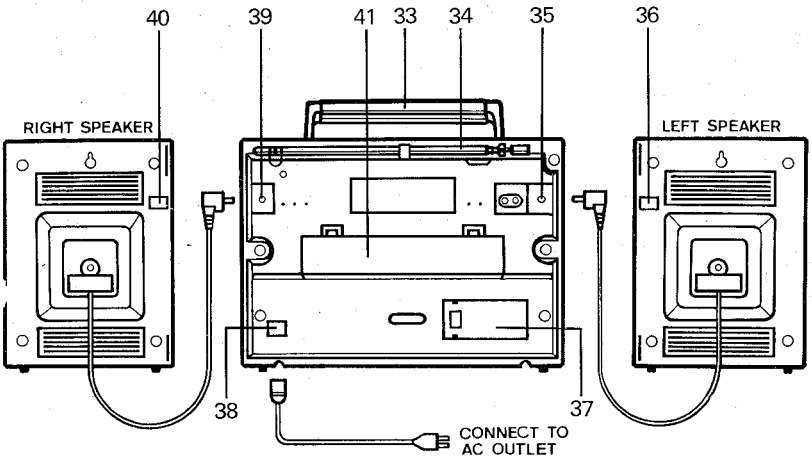
18. SERVING—The user should not attempt to service the appliance beyond that described in the operating instructions. All other servicing should be referred to qualified service personnel.

FRONT FEATURE



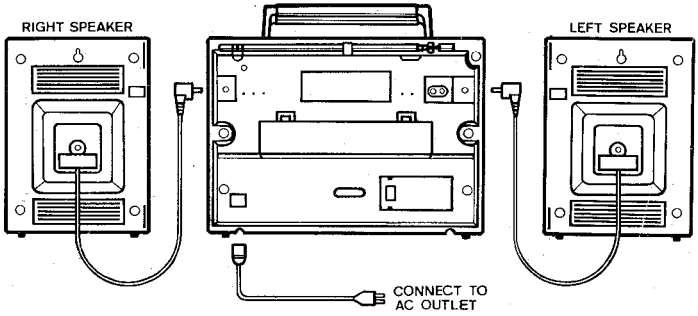
1. TWEETER (LEFT)
2. TAPE COUNTER
3. 5 BAND GRAPHIC EQUALIZER
4. HEADPHONE JACK
5. EXTERNAL MICROPHONE JACK
6. HIGH SPEED DUBBING BUTTON
7. DUBBING BUTTON
8. MODE/BEAT CANCEL BUTTON
9. FUNCTION SWITCH
10. RADIO BAND SWITCH
11. TUNING KNOB
12. BALANCE KNOB
13. VOLUME KNOB
14. CONDENSER MICROPHONE
15. TWEETER (RIGHT)
16. SPEAKER (RIGHT)
17. TAPE (B)
18. PAUSE BUTTON
19. STOP/EJECT BUTTON
20. FAST FORWARD BUTTON
21. REWIND BUTTON
22. PLAY BUTTON
23. TAPE (A)
24. PAUSE BUTTON
25. STOP/EJECT BUTTON
26. FAST FORWARD BUTTON
27. REWIND BUTTON
28. PLAY BUTTON
29. RECORD BUTTON
30. SPEAKER (LEFT)
31. FM STEREO LED LAMP
32. DIAL POINTER/POWER LED LAMP

REAR FEATURE



33. HANDLE
34. ANTENNA
35. SPEAKER JACK(LEFT)
36. LOCKING TAB (LEFT)
37. SPEC PLATE
38. AC JACK
39. SPEAKER JACK (RIGHT)
40. LOCKING TAB (RIGHT)
41. BATTERY COVER

INSTALLATION



NOTE: Make certain all connections are proferly made, as shown above, before plugging in and turning on the unit.

A) TO REMOVE SPEAKERS

1. Slide locking tab on the rear of speaker cabinet so it disengages from main unit
2. Lift speaker all the way up and slowly pull away from unit

B) TO RECONNECT SPEAKERS

Please perform steps 1-2 of "TO REMOVE SPEAKER" in reverse.

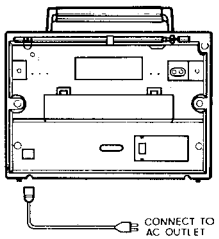
POWER SUPPLY SOURCES

CAUTION: To prevent shock, do not operate this unit on AC power in the bathroom, on the kitchen sink, or any other damp area. This unit will operate from two different power sources: standard AC current or 6 C-size batteries (not included).

A) STANDARD AC OPERATION

NOTE: Batteries are automatically disconnected when AC power cord is plugged into AC Input Jack.

Figure 1.

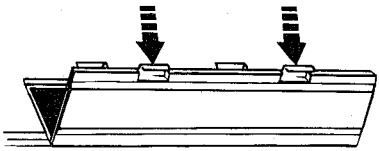


B) BATTERY OPERATION

NOTE: AC power cord must be disconnected from AC Input Jack when operating unit on batteries.

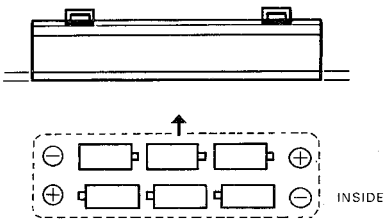
1. Open battery compartment lid then, simultaneously push and lift latches in direction indicated by arrows, See Figure 2.

Figure 2.



2. Install 6 "C" size batteries (not included) as indicated in Figure 3, Check polarity of batteries carefully.

Figure 3.



NOTE: This unit uses 6 1.5-volt "C" size batteries.

3. Close compartment lid and make sure that lid is securely latched.

CAUTION: Old batteries may swell or leak.
Please remove batteries when they are exhausted or not in use.

LISTENING TO THE RADIO

1. Set the FUNCTION switch to RADIO. The POWER LED LAMP on the center of dial pointer will light.
2. Set the radio band selector to the desired band AM or FM. If FM is selected, set mode switch to STEREO.
3. Tune to the desired station with TUNING CONTROL. If FM is selected and mode switch is in STEREO, the FM-STEREO LED LAMP will light if station is broadcasting in STEREO.

   NOTE: For best AM receiption, it may be necessary to rotate the unit slightly to point the internal AM antenna toward the broadcast station. For best FM reception, it is necessary to extend the FM telescopic antenna. Its length and angle should be adjusted as required to receive as much broadcast signal as possible. If FM sound is not so good in STEREO MODE, Please set MODE SWITCH to MONO position.

4. Adjust the VOLUME control and 5 BAND EQUALIZER as desired.
5. Keep the BALANCE control in mid position unless the volume levels of the right and left speakers sound unequal at your listening position. In such cases, slide the control either towards LEFT or RIGHT to restore balance.

LISTENING TO CASSETTE TAPE A AND TAPE B

You can use both decks to play two tapes seperately.

1. Set FUNCTION SWITCH to the TAPE A+B
2. Make sure the PAUSE BUTTON to be released.
3. Push the STOP/EJECT BUTTON to open the cassette compartment door. Insert a prerecorded cassette tape and gently close the door.
4. Push the PLAY BUTTON to start tape playback.
5. Adjust the VOLUME, 5 BAND EQUALIZER and BALANCE control as desired.
6. To advance the tape rapidly, Push the F. FWD Button.
7. To rewind, push the REW BUTTON.
8. To stop the tape momentarily, push the PAUSE BUTTON and push again to re-start.

   NOTE: This PAUSE function does not affect when F.FWD or REWIND.

9. To stop the tape completely, push the STOP/EJECT BUTTON. Push again to open the cassette compartment door.

   NOTE: This unit has an automatic stop feature. So the cassette mechanism will automatically shut off at the end of the cassette tape. Also, tape COUNTER run towards or back when PLAY, F.FWD, REWIND, and recording.

CONTINUOUS PLAYBACK OF TWO TAPES (TAPE A & TAPE B)

This unit has a continuous tape operation feature which automatically starts TAPE B after TAPE A has played through one side.

Please proceed as above with following points:

1. Insert pre-recorded cassette in both tape compartments.
2. Depress the PLAY BUTTON of the deck which is to be played first.
3. Depress the PLAY BUTTON of the deck which is to be played second.
4. When the deck played first has ended, the auto stop will shut off the TAPE A and TAPE B will start automatically.
5. Remove both cassettes of TAPE A and TAPE B from the tape compartments when playback is completed.

NTOE: Only Continuous playback from TAPE A to TAPE B is possible. From TAPE B to TAPE A is impossible.

RECORDING ON TAPE A.

NOTE: TAPE B is only for playback purpose.
When recording new material on a previously recorded tape, the old recording is automatically erased as the new material is recorded.

A) RECORDING THROUGH BUILT-IN CONDENSER MICROPHONE (TAPE A)

NOTE: Please make certain DUBBING knob should be released ("OFF,, position). If this knob is depressed ("ON,, position), the prerecorded material will be erased. But, new material will not be recorded on TAPE A except while dubbing from TAPE B to TAPE A.

1. Set to FUNCTION SWITCH to TAPE (A + B)
2. Depress the STOP/EJECT button to open the cassette compartment door, insert a cassette in TAPE A compartment and then close the tape door gently.
3. Depress the PAUSE button and push RECORD button of TAPE A until both RECORD & PLAY buttons stay down (one touch recording)
4. Now you are ready to record through the built-in CONDENSER MICROPHONE. Release PAUSE button just before starting to record.

NOTE: The automatic recording level control (ALC) circuit assures the correct recording level. No further adjustments are required.

5. To stop the tape temporally during recording, depress PAUSE button. To start it again, repress the button.

NOTE: The Volume, BALANCE and 5 Band EQUALIZER have no effect on the recorded sound.

6. To stop recording, depress STOP/EJECT button and push again to remove a cassette.

7. Repeat step No. 2—No. 5 in order to record the other side or another tape.

NOTE: Tape A cassette deck mechanism automatically shut off when the exposed side of cassette has recorded through one side completely.

B) RECORDING FROM BUILT-IN RADIO. (TAPE A)

Proceed same as steps of "RECORDING THROUGH BUILT-IN CONDENSER MICROPHONE" except the following points:

1) Set the FUNCTION SWITCH to RADIO position.
2) Select the BAND and then tune in the desired radio program. Fellow the instructions as decribed under "LISTENING TO THE RADIO.
3) Depress the RECORD button (one touch recording system)
4) To stop recording, depress the STOP/EJECT Button and push again to remove a cassette. But the RADIO will operate continuously.
   If you want stop RADIO operation completely, set the FUNCTION SWITCH to the TAPE (A + B) position.

C) RECORDING WITH OPTIONAL MICROPHONE

Proceed same as steps of "RECORDING THROUGH BUILT-IN CONDENSER MICROPHONE" except the following point:

1) Connect one microphone to the built-in microphone jack.
   For an individual, hold the microphone three to five inches away. For small group, hold the microphone from four to eight feet away.
2) Set FUNCTION SELECTOR to TAPE (A + B)

D) DUBBING FROM TAPE B TO TAPE A (NORMAL & HIGH SPEED DUBBING)

Proceed same as steps as "RECORDING THROUGH BUILT-IN CONDENSER MICROPHONE" except the following points:

NOTE: Please make certain microphone is not connected.

1) Insert one pre-recorded cassette for playback in TAPE B and another one for recording in TAPE A respectively.
2) Set FUNCTION SELECTOR to TAPE (A + B) position
3) Set DUBBING SWICH to be depressed.
4) Depress both of PAUSE buttons of two decks, push RECORD button of TAPE A and then push play button of TAPE B.
5) To begin recording, release PAUSE buttons of two deck at the same time.
6) For HIGH SPEED DUBBING, Please make sure HIGH SPEED DUBBING knob to be depressed ("ON" position)

NOTE: This unit has a special HIGH SPEED DUBBING feature which record from TAPE B to TAPE A speedly, approrimately 2 times speed of normal speed. Therefore, please watch number of the TAPE COUNTER so as to stop dubbing at the desired point.

NOTE: HIGH SPEED DUBBING knob can be used for dubbing from TAPE B to TAPE A only provided DUBBING knob is depressed ("ON" position), but of which function does not operate on recording from radio, built-in condenser microphone and external microphone.

IMPROVING RECEPTION IN FRINGE AREAS

TIPS ON IMPROVING RECEPTION

1. For better AM reception, turn the radio in different directions until the best reception is obtained.
2. Radios pick up "interference" from other sources like fluorescent lights, TV sets and other electrical devices. Try to keep the unit far enough away from these sources to obtain optimum performance.
3. If you hear a humming sound or other interference, try changing the position of the unit. Also, try plugging the unit into a different wall socket.

MAINTENANCE

CAUTION

Always turn off the unit and disconnect its power cord from the electrical outlet before cleaning.
A careful maintenance schedule should be followed to achieve the best performance and to prolong the life of the unit.

BATTERY CARE

If the unit is not to be used for a prolonged period, such as a month or longer, remove the batteries to prevent possible corrosion. Should the battery compartment become dirty or corroded, clean the compartment throughly and replace all the batteries.

NOTE: Before returning the unit for service, first install fresh batteries, as this will usually correct the problem.

WEAK BATTERIES

Weak batteries will cause weak and distorted sound. Check the condition of the batteries by observing the Power indicator. If the batteries are weak, the indicator light will glow faintly. When replacing the batteries, replaced all six (6) batteries at once.

NOTE: Be sure AC power cord is not plugged into set while checking battery condition.

CLEANING THE CABINET

Do not use Benzine, thinner or similar materials to clean the cabinet. Wipe off dust and stains with a soft cloth moistened only with a mild soap and water solution. Do not use harsh detergents or abrasive cleaners as these may scratch the surface of the cabinet.

CLEANING THE TAPE HEAD

Oxide deposits on the tape head can cause sound distortion, loss of volume and poor erasing. We suggest that you clean the tape head after approximately every 15 hours of use. A convenient method for doing this is to use a Tape Head Cleaning Cassette. Directions for its use are provided with the tape. An alternate method to clean the tape head is to use a cotton swab moistened with denatured alcohol. (Disconnect the unit before using this method).

ERASING TAPES

All previously recorded information on a cassette tape will be erased automatically as a new recording is made. It is, therefore, not necessary to erase the tape separately before recording. If you wish to simply erase a tape (or a section of the tape), insert shorting plugs (not included) into the MIC jacks as if you intended to record with microphones, then depress the RECORD key until the Record and Play keys stay down. The tape will erase fully.

CASSETTE TAPES

Your equipment is engineered to provide many hours of troublefree enjoyment. It is precision built, inspected and tested to insure high quality workmanship and lasting reliability. It is important that this equipment be used only with cassette tapes produced by recognized "Brand-Name" manufactureres. We suggest that, in the event of a seemingly faulty unit, you first test the unit with a top-quality cassette tape prior to returning the equipment for repair.

MALFUNCTION CHART

Carefully re-read the operating instructions to be sure the recorder is being operated properly. Check the following before returning the unit for repair.

SYMPTOMS	CAUSE
Cassette tape does not sit properly in the tape compartment.	Tape is being inserted in reversed direction.
PLAY key does not lock in down position.	Tape is at end of side. (The Auto-Stop function is activated)
RECORD key can not be pressed down.	No tape in tape compartment. Tape has been inserted without tabs.
Tape does not run.	Batteries are not installed properly. Batteries are weak. AC power cord is not inserted correctly.
Tape does not run on batteries	Batteries are weak. Batteries are not installed properly
Sound is weak or distorted.	Dirty Record/Play and Erase heads or weak batteries.
Previous recording can not be erased.	Erase head is dirty.
Tape runs but no sound is heard from built-in speakers.	Volume control is at minimum position. Headphone is connected to headphone jack.

SPECIFICATIONS

Power Supply	: AC 220V/50Hz, DC 9V (6 × "C" cells)
Power Consumption	: 10W
Power Output	: 2x10W max
Tape Speed	: 4.8 Cm/Sec (1.7/8 I.P.S) sec cm
Rewind and Fast Forward Time	: 170 seconds (C-60 cassette)
Recording System	: Ac bias/AC erase
Wow and Flutter	: 0.35% WRMS
Frequency Range	: FM 87.5—108MHz AM 530—1605 kHz
Dimensions	: 591 (W) × 150 (D) × 210 (H) mm
Net Weight	: 3.8 kg

Schaltbild